

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 00/01969

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G02F1/13357 G02B7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G02F G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/057399 A1 (ISHITAKA YOSHIHIKO) 16 May 2002 (2002-05-16) paragraph '0001! - paragraph '0008! paragraph '0031! - paragraph '0040! paragraph '0051! paragraph '0059! - paragraph '0061!; figures 1,8 ---	1-4,6
X	DE 199 63 915 A (BOSCH GMBH ROBERT) 9 August 2001 (2001-08-09) column 1, line 40 -column 2, line 50 column 3, line 8 -column 5, line 54; figures 1-3 ---	8-11
Y	---	1-4,6

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the International search	Date of mailing of the International search report
21 August 2003	01/09/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016	Authorized officer Wahl, M

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C.(Continuation) DOCUMENTS CONSIDERED BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 712 694 A (HIGUCHI YOSHINORI ET AL) 27 January 1998 (1998-01-27) column 2, line 20 - line 54	8-11,13
Y	column 4, line 50 -column 6, line 50 column 11, line 1 -column 22, line 47; figures 7-16,19,20.23-29,31,32,37,39	1-4,6
A	US 6 329 968 B1 (BROER DIRK J ET AL) 11 December 2001 (2001-12-11) the whole document	1-14

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2002057399	A1 16-05-2002	JP CN	2002139630 A 1351266 A	17-05-2002 29-05-2002
DE 19963915	A 09-08-2001	DE	19963915 A1	09-08-2001
US 5712694	A 27-01-1998	JP JP KR	3219943 B2 8087011 A 222622 B1	15-10-2001 02-04-1996 01-10-1999
US 6329968	B1 11-12-2001	EP WO JP	0948755 A1 9922268 A1 2001507483 T	13-10-1999 06-05-1999 05-06-2001